

Test Report 535712

Date : 11-Mar-2020

The following sample(s) was/were submitted and identified by client as:

Sample Name : Hot Air Oven powder Acheta Domesticus

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 469983

Sample Condition : Sample is sealed in an aluminium bag.

Qty.Submitted : 1 bag

Date Received : 2-Mar-2020 Date Commenced : 3-Mar-2020

Test Items	Method	LOD	LOQ	Results	Units
<i>Bacillus cereus</i>	FDA BAM Online, 2012 (Chapter 14)	-	-	Less than 10	CFU/g
<i>Clostridium perfringens</i>	FDA BAM Online, 2001 (Chapter 16)	-	-	Less than 10	CFU/g
<i>Listeria monocytogenes</i>	FDA BAM Online, 2017 (Chapter 10)	-	-	Not detected	Per 25g
<i>Salmonella spp.</i>	ISO 6579-1 : 2017	-	-	Not detected	Per 25g
<i>Staphylococcus aureus</i>	FDA BAM Online,2016 (Chapter 12)	-	-	Less than 10	CFU/g
Total Plate Count	FDA BAM Online, 2001 (Chapter 3)	-	-	60	CFU/g
Yeast & Mold	FDA BAM Online, 2001 (Chapter 18)	-	-	13	CFU/g
Coliforms	AOAC (2016) 991.14	-	-	Less than 10	CFU/g
Moisture	In house method SOP LBAG-00124 based on AOAC (2016) 950.46	-	-	3.5	%
Water Activity	In house method SOP LBAG-12277 based on AOAC (2016) 978.18	-	-	0.274 at 25.1 degree C	-
Tin (Sn)	In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS	0.01	0.35	Less than 0.35	mg/kg

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Test Items	Method	LOD	LOQ	Results	Units
Zinc (Zn)	In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS	0.20	1.00	195.76	mg/kg
Copper (Cu)	In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS	0.01	0.35	25.32	mg/kg
Lead (Pb)	In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS	0.02	0.03	0.03	mg/kg
Arsenic (As)	In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS	0.01	0.03	Less than 0.03	mg/kg
Mercury (Hg)	In-house method SOP LBCH-08480 in connection with : USEPA, February 2007, Method 7473 page (7473-1)-(7473-15) and ASTM D 6722 (2006) page 1-4	0.004	0.01	Not detected	mg/kg
* Multi- mycotoxins	In-house method SOP No.LBLC-18004 based on QuEChERS method. , HPLC-MS-MS				
-Aflatoxin B1		0.25	0.50	Not detected	ug/kg
-Aflatoxin B2		0.25	0.50	Not detected	ug/kg
-Aflatoxin G1		0.25	0.50	Not detected	ug/kg
-Aflatoxin G2		0.25	0.50	Not detected	ug/kg
-Total Aflatoxin		-	-	Not detected	ug/kg

Remark : 1. LOD = *Limit of Detection*

2. Less than = Lower than LOQ "Limit of Quantitation"

Test(s) marked * on this Report are not included in the BLQS DMSc Accreditation Scope.

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